



VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

PIEDMONT REGIONAL OFFICE
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Matthew J. Strickler
Secretary of Natural Resources

David K. Paylor
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(804) 698-4000

James J. Golden
Regional Director

April 15, 2019

Mr. Michael Trzesniowski
Director of Engineering and Utilities
VCU Steam Plant MCV Campus
1040 Oliver Hill Way
PO Box 980166
Richmond, VA 23298

Location: Richmond City
Registration No.: 50126

Dear Mr. Trzesniowski:

Attached is a renewal Title V permit to operate your steam plant facility pursuant to 9VAC5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all conditions carefully.

This approval to operate does not relieve VCU Steam Plant MCV Campus of the responsibility to comply with all other local, state, and federal permit regulations.

Issuance of this permit is a case decision. The Regulations, at 9VAC5-170-200, provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this permit is mailed or delivered to you. Please consult that and other relevant provisions for additional requirements for such requests.

Additionally, as provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal to court by filing a Notice of Appeal with:

David K. Paylor, Director
Department of Environmental Quality
P.O. Box 1105
Richmond, VA 23218-1105

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for additional information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please contact the Piedmont Regional Office at (804) 527-5020.

Sincerely,



Kyle Ivar Winter, P.E.
Deputy Regional Director

KIW/JH/50126 TVR

Attachments: Permit

cc: Director, Office of Permits and Air Toxics (3AP10), U.S. EPA, Region III
Director, OAPP
Inspector, Air Compliance



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Federal Operating Permit Article 1

This permit renewal is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9VAC5-80-50 through 9VAC5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee/ Facility Name: VCU Steam Plant MCV Campus
Facility Location: 1040 Oliver Hill Way
Richmond, Virginia 23298
Registration Number: 50126
Permit Number: PRO-50126

This permit includes the following programs: Federally Enforceable Requirements - Clean Air Act (Pages 3 through 24)

April 15, 2019
Effective Date

April 14, 2024
Expiration Date


Kyle Ivar Winter, P.E., Deputy Regional Director

April 15, 2019
Signature Date

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Facility Information

Permittee/Facility

VCU Steam Plant MCV Campus
1040 Oliver Hill Way
P.O. Box 980166
Richmond, VA 23298

Responsible Official

Mr. Michael Trzesniowski
Director of Engineering and Utilities

Contact Person

Joseph Gibson
General Manager
(804) 828-1020
(804) 828-3766

County-Plant Identification Number: 51-760-0013

Facility Description: NAICS 622110 – The facility is a fossil fuel-fired steam generating plant which is operated by Virginia Commonwealth University (VCU) in order to provide steam to various VCU buildings and facilities, including certain buildings at the Medical College of Virginia (a division of VCU). The current equipment consists of three 150.6 MMBtu/hr boilers and two emergency generators.

The facility is a Title V major source of nitrogen oxides (NO_x), sulfur dioxide (SO₂), carbon monoxide (CO), and greenhouse gases (CO₂-e). This source is located in an attainment area for all pollutants, and is subject to Prevention of Significant Deterioration (PSD) requirements for NO_x, SO₂ and CO.

Emission Units

Equipment to be operated consists of:

Fuel Burning Equipment

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
BOE-001	BOS-001	Babcock and Wilcox #6 oil/#2 oil/natural gas-fired boiler (1996)	150.6 MMBtu/hr (heat input)	Low NO _x burner & flue gas recirculation	BOC-001	NO _x	03/30/09 PSD permit
BOE-002	BOS-002	Babcock and Wilcox #6 oil/#2 oil/natural gas-fired boiler (1996)	150.6 MMBtu/hr (heat input)	Low NO _x burner & flue gas recirculation	BOC-002	NO _x	03/30/09 PSD permit
BOE-003	BOS-003	Babcock and Wilcox #6 oil/#2 oil/natural gas-fired boiler (1996)	150.6 MMBtu/hr (heat input)	Low NO _x burner & flue gas recirculation	BOC-003	NO _x	03/30/09 PSD permit
GEN-001	GEN-001	Diesel-fired emergency generator	750 kW	None	None	None	None
GEN-002	GEN-002	Diesel-fired emergency generator	750 kW	None	None	None	None

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

Fuel Burning Equipment Requirements – (BOE-001, BOE-002, BOE-003, Babcock and Wilcox boilers)

1. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Limitations**
- Nitrogen Oxides (NO_x) emissions from each boiler shall be controlled by low-NO_x burners, flue-gas recirculation, and good operating procedures to the extent necessary to minimize NO_x emissions and meet the lbs/10⁶ Btu emission standards in Conditions 7 and 8. The boilers shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 2 of 03/30/09 PSD permit)
2. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Limitations**
- Sulfur Dioxide (SO₂) emissions from each boiler shall be controlled by low-sulfur fuel oil containing 0.5 percent sulfur by weight or less per shipment. The boilers shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Conditions 3 and 8 of 03/30/09 PSD permit)
3. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Limitations**
- Carbon monoxide and volatile organic compound emissions from each boiler shall be controlled by the use of good combustion operating practices.
(9 VAC 5-80-110 and Condition 4 of 03/30/09 PSD permit)
4. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Limitations**
- The approved fuels for each boiler shall be natural gas, #2 fuel oil and #6 fuel oil. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 5 of 03/30/09 PSD permit)
5. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Limitations**
- The three boilers shall consume no more than a total of 3,500 million cubic feet of natural gas per year, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110 and Condition 6 of 03/30/09 PSD permit)
6. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Limitations**
- The three boilers shall consume no more than a total of 5,000,000 gallons of fuel oil (#2 and #6 combined) per year, calculated monthly as the sum of each consecutive 12 month period, when no natural gas is burned in any consecutive 12 month period. When natural gas is burned in any 12 consecutive month period, the three boilers shall consume no more than the following total quantity of fuel oil (#2 and #6 combined), calculated monthly as the sum of each consecutive 12 month period:
$$[5000 - 0.95 \times (G)] 10^3 \text{ gallons per year; when } (G) \leq 144$$
$$[5072 - 1.45 \times (G)] 10^3 \text{ gallons per year; when } (G) > 144$$

where (G) is the total quantity of natural gas, in million cubic feet, burned by the three boilers during the consecutive 12 month period.
(9 VAC 5-80-110 and Condition 7 of 03/30/09 PSD permit)

7. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Limitations**
 -Emissions from the operation of the boilers designated BOE-001, BOE-002, BOE-003, shall not exceed the limits specified below, per boiler:

Natural Gas

				Basis
Particulate Matter		1.2	lbs/hr	9 VAC 5-80-260
PM-10		1.2	lbs/hr	9 VAC 5-80-260
Sulfur Dioxide		0.1	lbs/hr*	9 VAC 5-80-280
Nitrogen Oxides (as NO ₂)	0.1 lbs/10 ⁶ Btu**	15.6	lbs/hr	9 VAC 5-80-280
Carbon Monoxide		14.9	lbs/hr	9 VAC 5-80-280
Volatile Organic Compounds		2.1	lbs/hr	9 VAC 5-80-260

#6 Fuel Oil

				Basis
Particulate Matter		9.3	lbs/hr	9 VAC 5-80-260
PM-10		8.0	lbs/hr	9 VAC 5-80-260
Sulfur Dioxide		78.5	lbs/hr*	9 VAC 5-80-280
Nitrogen Oxides (as NO ₂)	0.4 lbs/10 ⁶ Btu**	57.5	lbs/hr	9 VAC 5-80-280
Carbon Monoxide		15.8	lbs/hr	9 VAC 5-80-280
Volatile Organic Compounds		2.1	lbs/hr	9 VAC 5-80-260

#2 Fuel Oil

				Basis
Particulate Matter		3.3	lbs/hr	9 VAC 5-80-260
PM-10		1.7	lbs/hr	9 VAC 5-80-260
Sulfur Dioxide		78.5	lbs/hr*	9 VAC 5-80-280
Nitrogen Oxides (as NO ₂)	0.2 lbs/10 ⁶ Btu**	30.1	lbs/hr	9 VAC 5-80-280
Carbon Monoxide		15.8	lbs/hr	9 VAC 5-80-280
Volatile Organic Compounds		2.1	lbs/hr	9 VAC 5-80-260

* (3-hour rolling average)

** (30-day rolling average)

(9 VAC 5-80-110 and Condition 10 of 03/30/09 PSD permit)

8. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Limitations**
 - NO_x emissions from each boiler (BOE-001, BOE-002, BOE-003), while firing natural gas, shall not exceed an annual average of 0.08 lbs/10⁶ Btu, calculated monthly for each consecutive 12 month period.
 (9 VAC 5-80-110 and Condition 11 of 03/30/09 PSD permit)
9. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Limitations**
 -Emissions from the combined operation of the three boilers (BOE-001, BOE-002, BOE-

003) while burning #2 fuel oil, #6 fuel oil and natural gas shall not exceed the limits specified below:

		Basis
Particulate Matter	23.3 tons/yr	9 VAC 5-80-260
PM-10	20.0 tons/yr	9 VAC 5-80-260
Sulfur Dioxide	196.3 tons/yr	9 VAC 5-80-280
Nitrogen Oxides (as NO ₂)	145.6 tons/yr	9 VAC 5-80-280
Carbon Monoxide	172.9 tons/yr	9 VAC 5-80-280
Volatile Organic Compounds	23.7 tons/yr	9 VAC 5-80-260

(9 VAC 5-80-110 and Condition 12 of 03/30/09 PSD permit)

10. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Limitations**

-Visible emissions from each boiler shall not exceed 10 percent opacity except during one six-minute period per hour which shall not exceed 20 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).

(9 VAC 5-80-110 and Condition 13 of 03/30/09 PSD permit)

11. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Limitations**

-Each boiler shall be operated in accordance with the requirements of 40 CFR 60 Subpart Db.

(9 VAC 5-80-110 and Condition 9 of 03/30/09 PSD permit)

12. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Federal Requirements**

– The boilers are subject to MACT JJJJJ -National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Industrial Boiler Area Sources. The boilers are considered existing oil-fired boilers as defined in 40 CFR 63.11194, 40 CFR 63.11200 and 40 CFR 63.11237. The permittee shall comply with the applicable requirements of 40 CFR 63, Subpart JJJJJ, as follows:

Citation	Requirement
40CFR63.11201(b) and Table 2	Biennial boiler tune-up
40CFR63.11205	General compliance requirements
40CFR63.11223	Continuous compliance requirements
40CFR63.11225	Reporting and recordkeeping requirements
40CFR63.11235 and Table 8	General Provisions

(9 VAC 5-80-110 and 40 CFR Subpart JJJJJ)

13. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Monitoring**

– **Compliance Assurance Monitoring (CAM)** - Continuous emission monitors shall be installed to measure and record opacity and the concentration of nitrogen oxides (NO_x). The opacity monitors shall be located on each of the boiler stacks. Each NO_x monitor shall be co-located with a CO₂ or O₂ monitor. Recorded data from the nitrogen oxides monitors shall be used to determine compliance with the lbs/10⁶ Btu emission standards specified in Conditions 7 and 8. The monitors shall be maintained, located, and calibrated in accordance with approved procedures (ref. 40 CFR 60.13). A 30 day notification, prior to

the demonstration of continuous monitoring system's performance, and subsequent notifications shall be submitted to the Director, Piedmont Region.

(9 VAC 5-80-110 and Condition 14 of 03/30/09 PSD permit, 40 CFR 64.6(c))

14. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Monitoring –CAM** - The continuous monitoring data generated by the NO_x and opacity monitors may, at the discretion of the Board, be used as evidence of violation of the emission standards. These data shall be kept on file and made available to the Department of Environmental Quality upon request.
(9 VAC 5-80-110 and Condition 15 of 03/30/09 PSD permit)
15. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Monitoring –CAM** -The NO_x and opacity monitoring systems shall meet a minimum data availability of 90 percent of boiler operating hours on a 12 month rolling average. The nitrogen oxides monitoring systems shall also meet the quality assurance requirements of 40 CFR 60, Appendix F.
(9 VAC 5-80-110 and Condition 17 of 03/30/09 PSD permit)
16. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Monitoring –CAM** -The permittee shall conduct the following monitoring:
 - a. On each day that a boiler (BOE-001, BOE-002, BOE-003) fires #6 fuel oil, the permittee shall collect and analyze (for sulfur and heat content) an oil sample in an as-fired condition from each boiler firing oil in accordance with Method 19 of 40 CFR 60, Appendix A.
 - b. Alternatively, upon each occasion where a #6 fuel tank (TKE-001 or TKE-002) is partially or wholly refilled or filled, the permittee shall collect and analyze (for sulfur and heat content) an oil sample from the fuel tank. Each sample shall be analyzed in accordance with Method 19 of 40 CFR 60, Appendix A.
(9 VAC 5-80-110 and Condition 18 of 03/30/09 PSD permit)
17. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Monitoring –CAM** - The permittee shall conduct the monitoring and fulfill the other obligations specified in 40 CFR 64.7 through 40 CFR 64.9.
(9VAC5-80-110 and 40 CFR 64.6 (c))
18. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Monitoring –CAM** - At all times, the permittee shall maintain the monitoring equipment, including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.
(9VAC5-80-110 and 40 CFR 64.7 (b))
19. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Monitoring –CAM** - Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in

continuous operation (or shall collect data at all required intervals) at all times that the boilers are operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of compliance assurance monitoring, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by inadequate maintenance or improper operation are not malfunctions.

(9VAC5-80-110 and 40 CFR 64.7(c))

20. Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Monitoring

–CAM - Upon detecting an excursion or exceedance, the permittee shall restore operation of the boilers (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup and shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator, designated condition, or below the applicable emission limitation or standard, as applicable.

(9VAC5-80-110 and 40 CFR 64.7(d)(1))

21. Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Monitoring

–CAM - Determination that acceptable procedures were used in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(9VAC5-80-110 and 40 CFR 64.7(d)(2))

22. Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Monitoring

–CAM - If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the Piedmont Regional Office and, if necessary, submit a proposed modification to this permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

(9VAC5-80-110 and 40 CFR 64.7(e))

23. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Monitoring –CAM** - If the number of exceedances or excursions exceeds 5 percent duration of the operating time for the boilers for a semiannual reporting period, the permittee shall develop, implement and maintain a Quality Improvement Plan (QIP) in accordance with 40 CFR 64.8. If a QIP is required, the permittee shall have it available for inspection. The QIP initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the permittee shall modify the plan to include procedures for conducting one or more of the following, as appropriate:
- Improved preventative maintenance practices;
 - Process operation changes;
 - Appropriate improvements to control methods;
 - Other steps appropriate to correct control performance; and
 - More frequent or improved monitoring.
(9VAC5-80-110 and 40 CFR 64.8(a) and (b))
24. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Monitoring** -The permittee shall obtain a certification from the fuel supplier with each shipment of #2 oil. Each fuel supplier certification shall include the following:
- The name of the fuel supplier;
 - The date on which the #2 oil was received;
 - The volume of #2 oil delivered in the shipment;
 - A statement that the #2 oil complies with the American Society for Testing and Materials specifications [D396-78] for numbers 1 or 2 fuel oil, and
 - The sulfur content of the #2 oil.
(9 VAC 5-80-110, 40 CFR 60.49b(r) and Condition 19 of 03/30/09 PSD permit)
25. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Record Keeping** -The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Region. These records shall include, but are not limited to:
- The daily and yearly throughput of natural gas to each boiler (BOE-001, BOE-002, BOE-003). The yearly throughput shall be calculated monthly as the sum of each consecutive 12 month period.
 - The number of hours of operation of each boiler (BOE-001, BOE-002, BOE-003).

- c. The daily and yearly throughput of #6 fuel oil to each boiler (BOE-001, BOE-002, BOE-003). The yearly throughput shall be calculated monthly as the sum of each consecutive 12 month period.
- d. The daily and yearly throughput of #2 fuel oil to each boiler (BOE-001, BOE-002, BOE-003), calculated monthly as the sum of each consecutive 12 month period.
- e. Calculations showing the annual capacity factor for each fuel [as specified in 40 CFR 40.49b(d)] at the end of each calendar quarter for each boiler (BOE-001, BOE-002, BOE-003). The annual capacity factor shall be determined on a 12-month rolling average basis.
- f. Records of #2 fuel oil certificates required by Condition 24.
- g. Dates of biennial boiler tune ups
- h. For each steam generating unit (BOE-001, BOE-002, BOE-003) operating day, in accordance with 40 CFR 60.49b(g):
 - 1) Calendar date
 - 2) Average hourly NO_x emission rate measured in lb/MMBtu
 - 3) The 30-day average NO_x emission rate (lb/MMBtu) calculated at the end of each day on a 30-day rolling basis.
 - 4) Identification of the steam generating unit operating days when the 30-day average NO_x emission rates are in excess of the NO_x emission standard under 40 CFR 60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.
 - 5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective action taken.
 - 6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.
 - 7) Identification of "F" factor used for calculations, method of determination, and type of fuel combusted.
 - 8) Identification of the times when the pollutant concentration exceeded full span of the continuous monitor system.
 - 9) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specifications 2 or 3.
 - 10) Results of daily CEMS drift tests and quarterly accuracy assessments as required under Appendix F, Procedure 1.
- i. Records of the #6 oil sulfur analyses required by Condition 16.
- j. Records of the emission factors used to calculate the emissions of each pollutant with an emission limitation in Condition 7 or Condition 9, except NO_x.

- k. A maintenance schedule for the boilers (BOE-001, BOE-002, BOE-003) and monitors.
- l. Scheduled and unscheduled maintenance records for the boilers (BOE-001, BOE-002, BOE-003) and monitors.
- m. Inventory of spare parts to minimize duration of monitor breakdowns.
- n. Written operating procedures for the boilers and monitors.
- o. Operator training records.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9 VAC 5-50-50, 9 VAC 5-80-110, 40 CFR 60.49b, 40 CFR 60.110b, and Condition 22 of 03/30/09 PSD permit)

- 26. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Recordkeeping –CAM** - The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan (QIP) required pursuant to §64.8 and any activities undertaken to implement a quality improvement plan (QIP), and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).
(9VAC5-80-110 and 40 CFR 64.9(b))
- 27. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Testing -** The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 F and Condition 20 of 03/30/09 PSD permit)
- 28. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Testing -**If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by DEQ.
(9 VAC 5-80-110)
- 29. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Reporting** – The permittee shall prepare and submit to EPA a Compliance Certification Report by March 1 of the year after the calendar year during which a biennial tune-up, as required by Condition 12, was completed as per 40 CFR 63.11225.
(9 VAC 5-80-110 and 40 CFR 63.11225)
- 30. **Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Reporting -** The permittee shall submit fuel quality reports to the Piedmont Region within 30 days after the end of each semi-annual period. If no shipments of #2 oil were received during the semi-annual period, the semi-annual report shall consist of the dates included in the semi-

annual period and a statement that no #2 oil was received during the semi-annual period. If #2 oil was received during the semi-annual period, the reports shall include:

- a. Dates included in the semi-annual period,
- b. A copy of all fuel supplier certifications for all shipments of #2 oil received during the semi-annual period or a semi-annual summary from each fuel supplier that includes the information specified in Condition 24 for each shipment of #2 oil, and
- c. A signed statement from the owner or operator of the facility that the fuel supplier certifications or summaries of fuel supplier certifications represent all of the #2 oil burned or received at the facility.

One copy of the semi-annual report shall be submitted to the U.S. Environmental Protection Agency.

(9 VAC 5-80-110, 40 CFR 60.49b(r)(1) and Condition 21 of 03/30/09 PSD permit)

31. Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Reporting -

The permittee shall submit reports to the Director, Piedmont Region within 30 days after the end of each calendar quarter as described in 40 CFR 60.49b (h) and (i). Details of the quarterly reports are to be arranged with the Director, Piedmont Region. With regard to the opacity monitor, the quarterly report shall include excess emission and monitoring system downtime reports and/or summaries in accordance with 40 CFR 60.7 (c) and (d). Excess opacity emissions are defined as periods for which the average opacity exceeds the limits given in Condition 10.

(9 VAC 5-80-110, 40 CFR 60.49b(v) and Condition 16 of 03/30/09 PSD permit)

32. Fuel Burning Equipment Requirements (BOE-001, BOE-002, BOE-003) – Reporting

–CAM - The permittee shall submit CAM reports as part of the Title V semi-annual monitoring reports required by General Condition 49.c of this permit to the Piedmont Regional Office. Such reports shall include at a minimum:

- a. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
- b. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
- c. A description of the actions taken to implement a quality improvement plan (QIP) during the reporting period as specified in §64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

(9VAC5-80-110 F and 40 CFR 64.9(a))

Fuel Burning Equipment Requirements – (GEN-001, GEN-002 Emergency Diesel Generators)

33. **Fuel Burning Equipment Requirements – Emergency Generators - Fuel -** The emergency generators (GEN-001, GEN-002) are designed to use #2 fuel oil. If it becomes necessary to change the type of fuel the Board must approve the change prior to its use. (9 VAC 5-80-110)
34. **Fuel Burning Equipment Requirements – Emergency Generators – Hours of Operation -** The emergency generators (GEN-001, GEN-002) shall not be operated other than for emergency operation as specified in 40 CFR 63.6640(f)(1), maintenance and testing as specified in 40 CFR 63.6640(f)(2)(i), and operation in non-emergency situations for more than 50 hours per year as specified in 40 CFR 63.6640(f)(4), or they will not be considered an emergency engine and must meet the requirements for non-emergency engines. The emergency generators shall be equipped with a non-resettable hour meter. (9 VAC 5-80-110, 40 CFR 63.6640(f), and 40 CFR 63.6625(f))
35. **Fuel Burning Equipment Requirements (GEN-001, GEN-002) – Limitations** As stated in the National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE MACT, Subpart ZZZZ), the facility shall, as a minimum:
- a. Change oil and filter every 500 hours of operation or annually, whichever comes first, for each engine;
 - b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
 - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- (9 VAC 5-80-110, 40 CFR 63.6603(a), 40 CFR 63.6625(h) and Table 2d (4) of 40 CFR 63 Subpart ZZZZ)
36. **Fuel Burning Equipment Requirements (GEN-001, GEN-002) – Maintenance Plan–** The permittee shall operate and maintain the emergency generators according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide for the maintenance and operation of the generators in a manner consistent with good air pollution control practices for minimizing emissions. Operators shall be trained on proper operation and maintenance of the generators. (9 VAC 5-80-1180 and 40 CFR 63.6625(e)).
37. **Fuel Burning Equipment Requirements (GEN-001, GEN-002) – Limitations -** Except as specified in this permit, the facility shall comply with all the requirements of 40 CFR, Subpart ZZZZ that are applicable to the emergency generators (GEN-001, GEN-002). (9 VAC 5-80-110, 40 CFR 63.6605(a) and 40 CFR 63 Subparts A and ZZZZ)
38. **Fuel Burning Equipment Requirements (GEN-001, GEN-002) - Visible Emissions -** Visible emissions from the diesel emergency generators (GEN-001, GEN-002) shall not

exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity.
(9 VAC 5-80-110)

39. **Fuel Burning Equipment Requirements (GEN-001, GEN-002) - Monitoring** – The permittee shall conduct an observation of the presence of visible emissions on each exhaust stack of the diesel emergency generators (GEN-001, GEN-002), at least quarterly that the diesel emergency generators are operated for emergency purposes or for routine testing. If visible emissions are observed, the permittee shall take timely corrective actions such that the systems resume operation with no visible emissions, or perform a visible emission evaluation (VEE) in accordance with 40 CFR 60, Appendix A, Method 9 to assure visible emissions from the systems do not exceed 20 percent opacity. The VEE shall be conducted for a minimum of six minutes. If compliance is not demonstrated by this VEE, timely corrective action shall be taken such that the systems resume operation with visible emissions of 20 percent or less. The permittee shall maintain an observation log to demonstrate compliance. The log shall include the date and time of the observations, identify the emission point observed, whether or not there were visible emissions, any VEE recordings and any necessary actions.
(9 VAC 5-80-110)
40. **Fuel Burning Equipment Requirements (GEN-001, GEN-002) - Monitoring** - Compliance with the operational requirements in Condition 34 for the emergency generators (GEN-001, GEN-002) shall be to keep a log of any non-emergency operation operating hours on a monthly basis.
(9 VAC 5-80-110)
41. **Fuel Burning Equipment Requirements (GEN-001, GEN-002) - Recordkeeping** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Piedmont Regional Office. These records shall include, but are not limited to:
- a. Annual hours of operation of each of the generators (GEN-001, GEN-002) including hours spent for non-emergency operation, calculated monthly as the sum of each consecutive 12-month period,
 - b. A log of the results of the monthly visible emissions observations and any corrective action taken,
 - c. The occurrence and duration of each malfunction of either of the generators,
 - d. All required maintenance performed on the generators to demonstrate the units were operated and maintained in accordance with the maintenance plan, including the required work practices in Condition 35,
 - e. A log of actions taken during periods of malfunction to minimize emissions, including any corrective actions,
 - f. Operator training as required in Condition 36,

- g. Copies of each notification and report that you submitted to comply with MACT ZZZZ,
- h. Results of all visible emissions checks, visible emission evaluations, and stack test results.
- i. These records shall be available for inspection by the DEQ and shall be current for the most recent five years.
(9 VAC 5-80-110, 9 VAC 5-50-50 and 40 CFR 63.6655)

42. **Fuel Burning Equipment Requirements (GEN-001, GEN-002) - Testing** -If testing of the emergency generators (GEN-001, GEN-002) is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate methods in accordance with procedures approved by the DEQ.
(9 VAC 5-80-110 and 9 VAC 5-50-30)

Facility Wide Conditions

43. **Facility Wide Conditions** - In order to minimize the duration and frequency of excess emissions, including visible emissions, due to malfunctions of process equipment or air pollution control equipment, the permittee shall:
- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance. These records shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.
 - b. Maintain an inventory of spare parts that are needed to minimize durations of air pollution control equipment breakdowns.
(9 VAC 5-80-110 and Condition 26 of 03/30/09 PSD permit)
44. **Facility Wide Conditions** - The permittee shall have available written operating procedures for the related air pollution control equipment. Operators shall be trained in the proper operation of all such equipment and shall be familiar with the written operating procedures. These procedures shall be based on the manufacturer's recommendations, at minimum. The permittee shall maintain records of training provided including names of trainees, date of training, and nature of training.
(9 VAC 5-80-110 and Condition 27 of 03/30/09 PSD permit)

Insignificant Emission Units

45. **Insignificant Emission Units** - The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
HSMC TKE-001	#2 fuel oil AST for the emergency generators.	9 VAC 5-80-720 B	VOC	4,000 gallons
TKE-001 & TKE-002	Fuel oil tanks for boilers BOE-001, BOE-002, BOE-003	9 VAC 5-80-720 B	VOC	243,600 gallons each

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

Permit Shield & Inapplicable Requirements

46. **Permit Shield and Inapplicable Requirements** - Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.	Generators GEN-001 and GEN-002 are diesel engines (compression ignition) and not spark ignition type.
40 CFR 60 Subpart IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	Generators GEN-001 and GEN-002 were manufactured before July 11, 2005.
40 CFR 60 Subpart D 40 CFR 60 Subpart Da 40 CFR 60 Subpart Dc	<ul style="list-style-type: none"> Standards of Performance for Fossil-fuel Fired Steam Generators Standards of Performance for Electric Utility Steam Generating Units Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units 	<ul style="list-style-type: none"> All the boilers are less than 250 MMBtu/hr capacity. All boilers are less than 250 MMBtu/hr and are not electric utility steam generating units. The boilers are greater than 100 MMBtu/hr capacity.
9 VAC 5-40-880 (Rule 4-8)	Emission Standards for Fuel Burning Equipment	All the boilers were constructed after March 17, 1972 and so are not existing sources. Internal combustion engines are not considered fuel-burning equipment and so the generators are not subject to this Rule.

Citation	Title of Citation	Description of Applicability
40 CFR 60, Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels for which construction, reconstruction, or modification commenced after 7/23/1984.	Exempts tanks greater than 151 cubic meters (39,890 gallons) containing a VOL with a vapor pressure less than 3.5 kPa (0.51 psia) so TKE-001 and TKE-002 are exempt (fuel oil has VP of 0.05 kPa). The fuel tank for the generators (HSMC TKE-001) is less than 19,800 gallons and so is also exempt from Kb.
9 VAC 5-40-5200 (Rule 4-37)	Emission standards for petroleum liquid storage and transfer operations	The fuel oil tanks (TKE-001, TKE-002, HSMC TKE-001) do not store petroleum liquids with a vapor pressure over 1.5 psi.
40 CFR 63, Subpart DDDDD	National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters	The source is an area source for MACT.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.

(9 VAC 5-80-110 and 9 VAC 5-80-140)

General Conditions

47. **General Conditions - Federal Enforceability** - All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110)
48. **General Conditions - Permit Expiration** - This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.
 - a. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
 - b. If an applicant submits a timely and complete application for an initial permit or renewal under 9VAC5-80-80 F, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of

9VAC5 Chapter 80, until the Board takes final action on the application under 9VAC5-80-150.

- c. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.
 - d. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
 - e. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.
- (9 VAC 5-80-80, 9 VAC 5-80-110 and 9 VAC 5-80-170)

49. **General Conditions - Recordkeeping and Reporting –**

- a. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:
 - 1) The date, place as defined in the permit, and time of sampling or measurements.
 - 2) The date(s) analyses were performed.
 - 3) The company or entity that performed the analyses.
 - 4) The analytical techniques or methods used.
 - 5) The results of such analyses.
 - 6) The operating conditions existing at the time of sampling or measurement.
- b. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
- c. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than March 1 and September 1 of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:
 - 1) The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

- 2) All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:
 - (a) Exceedance of emissions limitations or operational restrictions;
 - (b) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,
 - (c) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.
- 3) If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that “no deviations from permit requirements occurred during this semi-annual reporting period.”

(9 VAC 5-80-110)

50. **General Conditions - Annual Compliance Certification** -Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

- a. The time period included in the certification. The time period to be addressed is January 1 to December 31.
- b. The identification of each term or condition of the permit that is the basis of the certification.
- c. The compliance status.
- d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
- e. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.
- f. Such other facts as the permit may require to determine the compliance status of the source.
- g. One copy of the annual compliance certification shall be sent to EPA at the following electronic mailing address: R3_APD_Permits@EPA.gov

(9 VAC 5-80-110)

51. **General Conditions - Permit Deviation Reporting** -The permittee shall notify the Piedmont Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition 49.c of this permit.
(9 VAC 5-80-110 F.2)
52. **General Conditions - Failure/Malfunction Reporting** - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall no later than four daytime business hours after the malfunction is discovered, notify the Piedmont Regional Office of such failure or malfunction and within 14 days provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Piedmont Regional Office.
(9VAC5-80-110 and 9 VAC 5-20-180)
53. **General Conditions – Severability** - The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110)
54. **General Conditions - Duty to Comply** - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110)
55. **General Conditions - Need to Halt or Reduce Activity not a Defense** - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110)
56. **General Conditions - Permit Modification** - A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State

Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-110, 9 VAC 5-80-190 and 9 VAC 5-80-260)

57. **General Conditions - Property Rights** - The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110)
58. **General Conditions - Duty to Submit Information**
- a. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)
 - b. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110)
59. **General Conditions - Duty to Pay Permit Fees** - The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350 in addition to an annual permit maintenance fee consistent with the requirements of 9 VAC 5-80-2310 through 9 VAC 5-80-2350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department. The amount of the annual permit maintenance fee shall be the largest applicable base permit maintenance fee amount from Table 8-11A in 9 VAC 5-80-2340, adjusted annually by the change in the Consumer Price Index.
(9 VAC 5-80-110, 9 VAC 5-80-340, and 9 VAC 5-80-2340)
60. **General Conditions - Fugitive Dust Emission Standards** - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:
- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

- b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
 - c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;
 - d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
 - e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.
(9 VAC 5-40-90, 9 VAC 5-50-90 and 9 VAC 5-80-110)
61. **General Conditions - Startup, Shutdown, and Malfunction** - At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-80-110, 9 VAC 5-50-20 E and 40 CFR 63.6605)
62. **General Conditions - Alternative Operating Scenarios** - Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110)
63. **General Conditions - Inspection and Entry Requirements** - The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:
- a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
 - b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

- d. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.
(9 VAC 5-80-110)
64. **General Conditions - Reopening For Cause** - The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.
- a. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
 - b. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
 - c. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.
(9 VAC 5-80-110)
65. **General Conditions - Permit Availability** - Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150)
66. **General Conditions - Transfer of Permits** –
- a. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
 - b. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
 - c. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-110 and 9 VAC 5-80-160)
67. **General Conditions - Permit Revocation or Termination for Cause** - A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee

violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-110, 9 VAC 5-80-190 C and 9 VAC 5-80-260)

68. **General Conditions - Duty to Supplement or Correct Application** - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-110 and 9 VAC 5-80-80 E)
69. **General Conditions - Stratospheric Ozone Protection** - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(9 VAC 5-80-110 and 40 CFR Part 82)
70. **General Conditions - Asbestos Requirements** - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110)
71. **General Conditions - Accidental Release Prevention** - If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(9 VAC 5-80-110 and 40 CFR Part 68)
72. **General Conditions - Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110)

73. **General Conditions - Emissions Trading** - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:
- a. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.
 - b. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
 - c. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.
(9 VAC 5-80-110)